

#### Purpose and Introduction

November 2015 WRAC presentation focused on phosphorus water quality conditions

- Comments on phosphorus slides resulted in refined presentation posted to WRAC Meetings website (11/5/15 Meeting Date)
- Questions about nitrogen to and from Lake Okeechobee and in Estuary watersheds resulted in today's presentation, including:
  - Average annual TN levels WY2011-2015
  - Percent contribution of water and nitrogen from each sub-watershed relative to the watershed

#### Total Nitrogen Conditions

### Northern Everglades Watersheds

Kissimmee / Lake Okeechobee

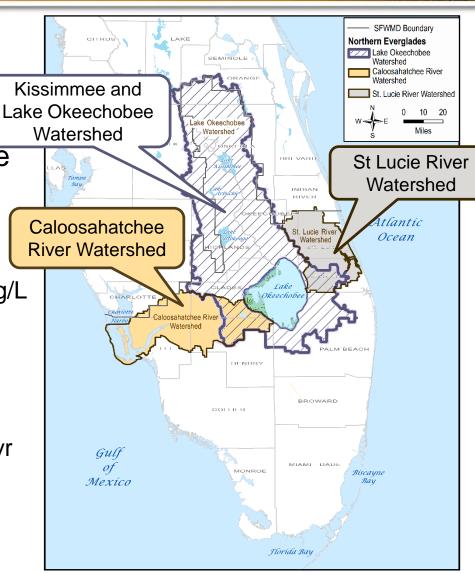
• No TMDL for nitrogen

St Lucie Estuary

TMDL Estuary TN Target: 0.72 mg/L

BMAP June 2013

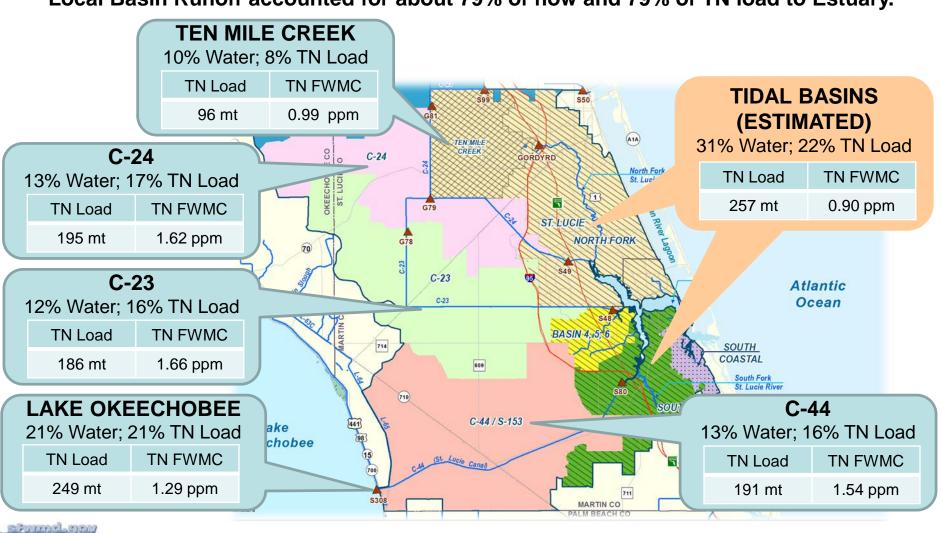
- Caloosahatchee Estuary
  - TMDL Estuary TN Target:
     ~4,121 mtons (~9 million lbs) TN/yr
  - BMAP November 2012





# Northern Everglades St Lucie Estuary Inflow WY2011-WY2015 Nitrogen

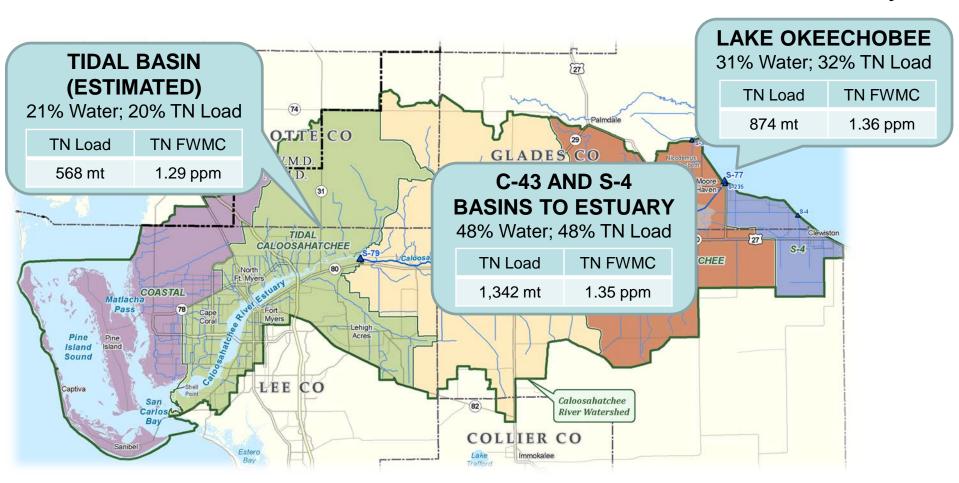
Local Basin Runoff accounted for about 79% of flow and 79% of TN load to Estuary.





## Northern Everglades Caloosahatchee Estuary Inflows WY2011-15 Nitrogen

Local Basin Runoff accounted for about 69% of flow and 68% of TN load to Estuary



Note: Coastal Basin runoff (west of Shell Point) is not included as Estuary contribution.



